

REMARKS

Claims 1-22 were pending in the application. Claims 19-22 are cancelled. Applicant respectfully requests an Advisory Action to reconsider and allow the pending claims in view of the following remarks.

Claims 1-18 stand rejected under 35 U.S.C. 103 as being unpatentable over the U.S. Patent No. 6,788,967 to Ben-Haim et al. (herein the Ben-Haim et al. reference) in view of Gilboa (U.S. Application No. 2004/0006268). See page 2 of Office Action dated October 9, 2007. Applicant argues that the Examiner errors in alleging that the combination of cited references discloses the patentable subject matter of the pending claims.

Claim 1 recites a system that comprises one or more probes configured to be positioned inside a heart of a patient; a processor communicatively coupled to the one or more probes, the processor being used to process electrical information pertaining to the heart, the electrical information being sensed using the one or more probes; a display communicatively coupled to the processor, the display being used to display an image of the heart; image processing tools which are used by the processor to manipulate the image; and a macro that when activated causes the system to acquire a final vitals measurement of the heart, print a report, and to stop recording electrical information of the heart.

The Examiner is in error because the Ben-Haim et al. reference does not disclose "a macro that when activated causes the system to acquire a final vitals measurement of the heart, print a report, and to stop recording electrical information of the heart." The Examiner alleges that Ben-Haim et al. reference discloses start and stop of ECG function in accordance with activation/termination of an imaging process. The Examiner did not include a citation. Rather, the Ben-Haim et al. reference merely recites that "the acquisition of the image is made in response to signals received from an ECG monitor." See Col. 17, lines 20-25. Thus, the Ben-Haim et al. reference describes activating image acquisition in response to a signal from the ECG monitor. There is no mention of start of ECG function in response to anything as alleged by the Examiner.

Also, the Examiner admits that the Ben-Haim et al. reference does not disclose also "printing a report" in response to activating the macro, as recited in claim 1. See page 3 - Final Office Action dated October 9, 2007.

Accordingly, the Ben-Haim et al. reference does not disclose the patentable subject matter of claim 1. A review of the other references fails to correct this error. Accordingly, the Examiner is in error to allege that the combination of cited references discloses the patentable subject matter of claim 1. Reconsideration and allowance of claim 1 is respectfully requested. Accordingly, reconsideration and allowance of claim 1 is respectfully requested.

Claims 2-7 depend either directly or indirectly from claim 1, and are believed allowable for at least the same reasons that claim 1 is believed allowable.

Claim 8 recites a computer based system that comprises, among other things, a macro that when activated causes the system to acquire a final vitals measurement of the heart, print a report, and to stop recording electrical information of the heart. For reasons similar to those described above, the Examiner is in error to indicate that the combination of cited references discloses the patentable subject matter of claim 8. Accordingly, reconsideration and allowance of claim 8 is respectfully requested.

Claims 9- 13 depend either directly or indirectly from claim 8, and are believed allowable for at least the same reasons that claim 8 is believed allowable.

Claim 14 as amended recites a system that comprises, among other things, image processing tools to manipulate the image, the image processing tools including a segmentation tool to isolate an area of interest in the image from other portions of the image, and a contour tracking tool operable to trace an external surface of a structure on parallel planes using a cursor.

The Examiner is in error to allege that the combination of references teaches the patentable subject matter of claim 14. As admitted by the Examiner, the Ben-Haim et al. reference does not disclose a segmentation tool to isolate an area of interest in the image from other portions of the image, and a contour tracking tool operable to trace an external

surface of a structure on parallel planes using a cursor. See page 3 of Office Action dated October 9, 2007.

The Gilboa et al reference discloses measuring a location of a catheter tip at a described location and measuring the location of the tip during a cardiac cycle to define a direction of movement of the tissue. See paragraph 215. Thus, the Gilboa et al. reference teaches tracking the location of the tip of the catheter from the acquired image data. The Gilboa et al. reference also discloses acquiring ultrasound image data to construct a 3D model of a cavity. See paragraph 216 through 217. Thus, the 3D model is generated from the acquired ultrasound data. There is no description of a cursor to trace the model. Accordingly, the Gilboa et al reference does not describe “a contour tracking tool operable to trace an external surface of a structure on parallel planes using a cursor,” as recited in claim 14. There is no description of using a cursor to trace a structure. Moreover, the Gilboa et al. reference does not disclose using a cursor to trace the external surface on parallel planes. For at least the above-described reasons, the Examiner errors because the cited combination of prior art does not teach the patentable subject matter of claim 14. Reconsideration and allowance of claim 14 is respectfully requested.

Claims 15-18 depend either directly or indirectly from claim 14, and are believed allowable for at least the same reasons that claim 14 is believed allowable.

CONCLUSION

Applicant believes that the present application is in condition for allowance. Favorable reconsideration of the application as amended is respectfully requested in view of the foregoing remarks.

No fee is believed due with this communication. Yet, the Commissioner is hereby authorized to charge any additional fees which may be required regarding this application to Deposit Account No. 070845. If any additional extensions of time are needed for timely acceptance of papers submitted herewith, Applicant hereby petitions for such extension and authorizes payment of any such extension fees to Deposit Account No. 070845.

The Examiner is invited to contact the undersigned by telephone at 262-548-4654 if it is felt that a telephone interview would advance the prosecution of the present application.

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Respectfully submitted,

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